

IN THE ABSTRACT

Please delete the current Abstract in its entirety and substitute therefor the enclosed New Abstract.

NEW ABSTRACT

A high pressure sodium lamp has a nominal power P_{la} and an internal vessel diameter D_{int} , which encloses a discharge space that includes a pair of electrodes at a mutual electrode distance ed and a filling of Na-amalgam with a sodium mol fraction (smf). The discharge tube has a ratio ed/D_{int} of at most 7, such as between about 5.5 and 4.0.